Name: HW57\_Circle and Triangle Quiz Review

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Geometry, Period

Due Date: Nov 17th, 2014

**Geometry**

**Homework**



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| 1) Match the radius and diameter with the appropriate line segment.    Line segment PQ Radius  Line segment BC Diameter  Line Segment OA | | | 3) Find the circumference of the circle below. |
| 4) Find the radius and diameter of the given circumference. | | 5) In your own words describe the difference between circumference and area of a circle? | |
| 5) Find angle P in the triangle below. | 6) A string with the length of 18 cm is bent to form a circle. What is the radius of the circle? | | 7) Solve for y and find the missing interior angle of the triangle.  y=\_\_\_\_\_\_\_\_\_\_\_\_\_  Interior angle=\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8) What is the area of the circle below? | 9) What is the area of the circle below? | | 10) Solve for x and angle D based on the triangle below. |
| 11) Solve for x. | 12) What is the area of a circle with a radius of 10 cm? | | 13) Find radius, diameter, and circumference given the area. |
| 14) Find the diameter, radius, and area given the circumference. | 15) Solve for x and find the missing interior angle of the triangle.  x=\_\_\_\_\_\_\_\_\_\_\_\_\_  Interior angle=\_\_\_\_\_\_\_\_\_\_\_\_ | | 16) If Ms. Mitrovitch runs around the circular track at her gym and covers a distance 64π yd, find the diameter, radius, and area. |
| 17) The area of a gold coin is 361π . What is the radius, diameter, and circumference of the coin? | 18) A cow is tethered to a rope that is 16ft long. What is the maximum circular distance the cow can walk and how much area is covered? | | 19) Solve for x |